

FIBER-BASED DISPLAYS CONTAINING LENSES AND METHODS OF MAKING SAME

REFERENCE TO RELATED APPLICATIONS

5 The present application is a continuation-in-part of co-pending U.S. patent application Ser. No. 09/299,370, filed on April 26, 1999, entitled "FIBER-BASED PLASMA DISPLAYS", the disclosures of which are incorporated herein by reference.

now U.S. Patent 6,414,433 which is a Continuation in Part of U.S. patent application Ser. No. 08/810,960, filed on February 27, 1997, now U.S. patent 5,984,747,

FIELD OF THE INVENTION

10 The invention pertains to fiber-based displays with built-in lenses and their methods of manufacture. More particularly, the invention pertains to three-dimensional and multiple view displays, and fabricating such displays using fibers.

BACKGROUND OF THE INVENTION

15 All electronic display technologies are composed of a large array of display picture elements, called pixels, arranged in a two-dimensional matrix. Color is added to these displays by subdividing each pixel element into three-color subpixels. The electronic display technologies can be further divided into a category known as flat-panel displays. The basic structure of a flat-panel display comprises two glass plates with a conductor
20 pattern of electrodes on the inner surfaces of each plate with additional structure to separate the plates or create a channel. The conductors are configured in a x-y matrix with horizontal and vertical electrodes deposited at right angles from each other to allow for matrix addressing. Examples of flat-panel displays include plasma displays, plasma addressed liquid crystal (PALC) displays, field emission displays (FED), and the like.